

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number  
**WO 2005/094382 A2**

(51) International Patent Classification: Not classified

(21) International Application Number:  
PCT/US2005/010933

(22) International Filing Date: 31 March 2005 (31.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/558,500 1 April 2004 (01.04.2004) US

(74) Agent: MARK, S. Cohen; Pearl Cohen Zedek Latzer, LLP, 10 Rockefeller Plaza, Suite 1001, New York, NY 10020 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(71) Applicant (*for all designated States except US*): UNIVERSITY OF PENNSYLVANIA [US/US]; 3160 Chestnut Street, Suite 200, Philadelphia, PA 19104-6283 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): MOORE, Jonni [US/US]; 435 Camden Avenue, Moorestown, NJ 08057 (US). ROSSMAN, Milton, D. [US/US]; Pulmonary, Allergy and Critical Care Division, University of Pennsylvania Medical Center, 834 West Gates Building, 3400 Spruce Street, Philadelphia, PA 19104 (US). MILOVANOV, Tatyana, N. [US/US]; Institute for Environmental Medicine, University of Pennsylvania Medical Center, 3620 Hamilton Walk, 1 John Morgan Building, Philadelphia, PA 19104 (US).

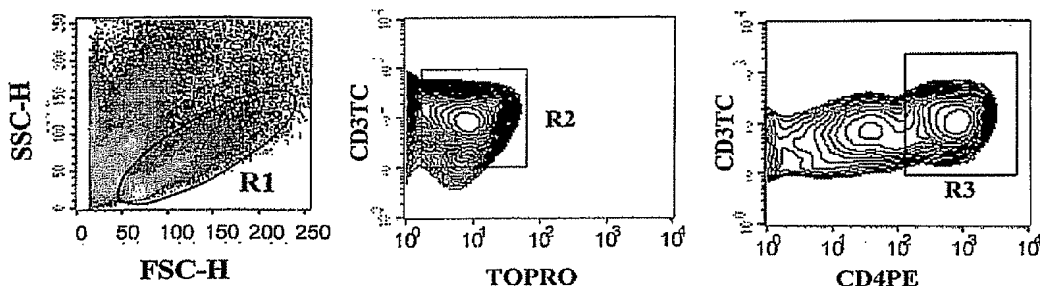
(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Published:**

— without international search report and to be republished upon receipt of that report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: A FLOW CYTOMETRIC METHOD AND KIT FOR METAL-INDUCED SENSITIVITY



(57) Abstract: This invention provides methods for determining metal-induced sensitivity of a subject and kits for affecting the same. Specifically, the invention provides methods for using immune cell proliferation resulting from exposure to test metals as a method for determining metal-induced sensitivity in subjects

WO 2005/094382 A2